



The Eltek range of plug in power supplies has been specifically developed to meet the DC powering requirements for telecommunications and industrial applications. The AL 175 NT alarm module is utilised within Eltek's Modular Power Supply Unit, MPSU 200.

The AL 175 NT offers the following features:

- *Microprocessor technology providing enhanced capability*
- *Front panel LCD and keypad for on-site service*
- *Remote interrogation via RS 232 interface facilitates network monitoring*
- *Configurable alarm outputs and digital inputs for increased monitoring*
- *Battery monitoring and testing without site attendance*

AL 175 NT for MPSU 200

Microprocessor Controlled Alarm Module



AL 175 NT for MPSU 200 Microprocessor Controlled Alarm Module

The AL 175 NT plug in alarm module provides monitoring and control facilities for the Modular Power Supply Unit, MPSU 200, that utilises the SMPS 200 plug in rectifier modules. A comprehensive range of features is achieved through the utilisation of microprocessor technology.

FEATURES

The AL 175 NT uses menu driven software to provide a user friendly interface. Local operation is via a keypad and information is viewed on a two row LCD.

An RS 232 interface allows remote interrogation via PC/modem. The information can be viewed on a PC by the utilisation of the terminal emulation programs, Procomm Plus or similar terminal program. Various language options are available.

The module will provide full system status and historical details, which can be retrieved via the message log.

To facilitate the interconnection an interface card is provided that is fitted within the MPSU 200, allowing the alarm module to be plugged in.

ALARM TYPES

The following conditions are monitored:

- High Voltage
- Low Voltage
- Low Voltage Disconnect
- Mains Failure
- Module Failure- one module only
- Module Failure- more than one module
- Fuse Failure-Battery and Load
- Battery Test Failure
- System/Common Alarm
- Symmetry Alarm (optional)
- Battery Temperature Alarm

METERING

The AL 175 NT displays the following parameters via the LCD or PC

- Output Voltage
- Load Current
- Battery Current
- Alarms and messages

USER FUNCTIONS

- Reset Alarms
- System Level Settings
- Battery Information
- Display messages and Software Version

SERVICE FUNCTIONS

- Parameter Calibration
- Clock and date adjustment
- Site Text
- Remote control of relay outputs
- Voltage Level Setting Programming
- System Set Up
- Battery Testing
- Battery Boost Charging
- Battery Cable Voltage Drop Compensation
- Temperature Compensated Charging
- Modem Call Back
- Battery Charge Current Limitation

SPECIFICATION

Input Voltage:	230 VAC
Normal System Voltage:	48 VDC
Dimensions:	70.7mm (14TE) W x 133 mm (3U) H x 169 mm D (2.8in W x 5.25in H x 6.7in D)
Weight:	1 Kg

